During the 9th Plan period it is proposed to install 3,00,000 solar lanterns, 2,00,000 home lighting systems, 4,000 photovoltaic water pumping systems, solar power plants and other PV systems of 1.6 MW aggregate capacity, grid connected PV power plants of 1.5 MW aggregate capcity, 2,50,000 sq. m. of salar thermal collectors and 1,50,000 solar cookers.

Potential for Wind Energy

2236. SHRI PREM CHAND GUPTA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that the estimated potential for wind energy is 20,000 MWs;

(b) if so, Government's plans to exploit this potential; and

(c) the present total installed capacity and the plan to increase the capacity during the Ninth Five Year Plan period?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) Yes Sir.

(b) and (c) Under the Wind Power Programme, a capacity of 1077 MW has already been installed in the country, which includes demonstration projects of 55 MW capacity, and commercial projects of 1022 MW set up through private investments. About 5 billion units of electricity have been fed to the respective State grids from these projects. 177 potential sites in 13 States/UTs have been identified for wind power projects. Fiscal and promotional incentives are available for commercial projects. Attractive policies have been announed by the State Governments for wheeling, banking and buy-back of electricity generated from wind power projects. Soft loans are also available from Indian Renewable Energy Development Agency (IREDA) for wind power projects. A target of 1000 MW has been fixed for wind power capacity addition for the Ninth Five Year Plan.

Disposal of Inorganic and Hazardous wastes

2237. SHRI GHUFRAN AZAM: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the Government's policy to attract latest technology for disposal of inorganic wastes in the country;

(b) whether Government are aware that a number of waste disposal companies around the World get Tipping Fees for disposal of inorganic and hazardous wastes; and

(c) if so, the Tipping Charges, [illegible], paid to such companies in developed countries?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) As per the information received

from the Ministry of Urban Development and the Central Pollution Control Board, inorganic wastes are required to be disposed off as per the draft Municipal Solid Waste (Management and Handling) Rules, 1999 recently announced by the Ministry of Environment and Forests.

(b) Yes, Sir.

(c) As per published literature,Tipping Charges are paid to the waste disposal companies for disposal of various types of wastes ranging from about US Dollars 15 per tonne to about US Dollars 150 per tonne, depending upon the exact nature of the waste tipped in.

Incentives for Converting Waste into Energy

2238. SHRI GHUFRAN AZAM: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government offer any incentives for setting up units for converting waste into energy; and

(b) if so, the details of incentives being offered for disposal of waste with low calorific value and which cannot be converted in to energy?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) Yes, Sir. The Ministry of Non-Conventional Energy Sources is providing various fiscal and financial incentives for setting up projects for Recovery of Energy from Urban, Municipal and Industrial Wastes.

(b) No incentives are being offered by this Ministry for disposal of wastes which are not suitable for energy recovery.

Clearance to Hydro-Power Projects in Kerala

2239. SHRI A. VIJAYA RAGHAVAN: Will the Minister of POWER be pleased to state: (a) whether any Hydro-Electric project from Kerala is pending for clearance from Government;

(b) if so, the details thereof; and

(c) whether any thermal-diesel projects are also pending with Government for clearance, if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) and (b) Adirapally HEP (160MW) was accorded techno-economic clearance by the Central Electricity Authority (CEA) on 22.4.1996 and is awaiting investment decision by Planning Commission. Puyankutty HEP (240MW) was cleared by CEA in January 1984 and sanctioned by Planning Commission in August 1996 subject to clearance from forest angle, which as per available information is still awaited. Detailed Project Reports of hydroelectric projects/multipurpose schemes